Special Issue

The Science and Technology of 3D Printing

Message from the Guest Editor

I am writing to invite you to submit a manuscript on the science and technology of additive manufacturing/3D printing for a Special Issue of *Materials*. Submissions may focus on novel scientific or technological aspects of 3D printing processes or part attributes. Topics of interest include but are not limited to novel design for 3D printing; new applications of 3D printing processes; alloy design; 3D printing of single crystals; tailoring microstructure; customized mechanical and chemical properties; improved creep resistance, fatigue life, and serviceability; micro- and mesoscale defects; residual stresses and distortion; applications of mechanistic and statistical modeling; and machine learning in 3D printing. The scope of this Special Issue also includes all 3D printing processes for alloys, ceramics, and polymers. The categories of paper types that will be considered include technical papers, short communications, perspectives, and reviews. The contents must be original unpublished work that have not been submitted for publication elsewhere. We look forward to working with you in the publication of this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (15 August 2021)

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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